

Amendments to the Claims:


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus for connecting a TV(Television Set) and a computer, comprising:

a TV coding unit for encoding ~~various~~ control signals including ~~such as~~ a TV signal, ~~etc.~~ generated in a TV and generating a first packet signal;

a computer coding unit for encoding a computer signal including at least one of ~~such as~~ a video signal, an audio signal and a ~~various control signals~~ signal generated in a computer and generating a second packet signal;

 a TV transmission and receiving unit for receiving the first packet signal, transmitting the received first packet signal to the outside and receiving the second packet signal from the outside;

a computer transmission and receiving unit for receiving the second packet signal, transmitting the received second packet signal to the outside and receiving the first packet signal from the outside;

a TV decoding unit for receiving the second packet signal from the TV transmission and receiving unit, decoding the same and recovering into an original signal;

a computer decoding unit for receiving the first packet signal from the computer transmission and receiving unit, decoding the received first packet signal and recovering into an original signal; and

a transmission line connected between the TV transmission and receiving unit and the computer transmission and receiving unit for carrying ~~transmitting~~ the first packet signal and the second packet signal.

2. (Original) The apparatus of claim 1, wherein said transmission line includes:

a first transmission line for transmitting the first packet signal from the TV transmission and receiving unit to the computer transmission and receiving unit; and

a second transmission line for transmitting the second packet signal from the computer transmission and receiving unit to the TV transmission and receiving unit.

3. (Currently Amended) A TV (Television set), comprising:

a TV coding unit for encoding a TV signal including ~~such as various~~ control signals generated in a TV (Television set) and generating a first packet signal;

a TV transmission and receiving unit for transmitting the first packet signal to the outside and receiving ~~a the~~ second packet signals signal from the outside;

a TV decoding unit for decoding the second packet signal and recovering into an original signal; and

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a signal selection unit for selecting the signal recovered by the TV decoding unit and a TV video signal.

4. (Original) The apparatus of claim 3, wherein said second packet signal is generated by encoding the video signal and audio signal and various control signals generated in a computer which is separately installed.

5. (Currently Amended) A computer, comprising:

a computer coding unit for encoding a computer signal including at least one of ~~such as~~ a video signal, an audio signal and ~~various a control signals~~ signal generated in a computer and generating a second packet signal;

a computer transmission and receiving unit for transmitting the second packet signal to the outside and receiving a first packet signal ~~from the outside~~ output from a television;

a computer decoding unit for decoding the first packet signal and recovering into an original signal; and

an interface unit for inputting the signal recovered by the computer decoding unit into a main board of the computer.

6. (Currently Amended) The computer of claim 5, wherein said first packet signal is generated by encoding ~~various~~ at least one control ~~signals~~ signal generated in ~~a TV the television~~ which is separately installed.

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7. (Currently Amended) A computer operation method, comprising ~~the steps of:~~
~~a first step for performing a main routine;~~
~~a second step for outputting a video signal data, an audio signal data and a control~~
data of a computer to a TV; and
~~a third step for receiving a mouse data, a keyboard data and a control data from~~
the TV.

8. (Currently Amended) A TV (Television set) operation method, comprising ~~the~~
~~steps of:~~
~~a first step for performing a main routine;~~
~~a second step for receiving a video signal data, an audio signal data and a control~~
data from a computer; and
~~a third step for outputting a mouse data, a keyboard data and a control data to the~~
[[TV]] computer.

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9. (New) A method, comprising:
generating a signal in a television; and
sending the signal from the television to a personal computer.

10. (New) The method of claim 9, wherein the signal controls a function performed
by the personal computer.

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11. (New) The method of claim 9, wherein the signal includes one of mouse data and keyboard data.

12. (New) The method of claim 9, wherein the signal includes microphone data.

13. (New) The method of claim 9, wherein the signal is generated based on information received from a television input unit.

14. (New) The method of claim 13, wherein the information is wirelessly received from the television input unit.

15. (New) The method of claim 13, wherein the television input unit is one of a microphone, keyboard, and mouse.

16. (New) The method of claim 9, wherein the signal is sent from the television to the computer over a wireless link.

17. (New) An interface, comprising:
an encoder which encodes a signal generated by a television; and
a transmitter which transmits the encoded signal, wherein the encoded signal includes data for controlling a personal computer.

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18. (New) The interface of claim 17, wherein the data includes one of mouse data and keyboard data.

19. (New) The interface of claim 17, wherein the data includes microphone data.

20. (New) The interface of claim 17, wherein the transmitter is a wireless transmitter.

21. (New) A method, comprising:
encoding a signal output from a television circuit; and
sending the encoded signal to a personal computer.

22. (New) The method of claim 21, wherein the encoded signal includes data for controlling a personal computer.

23. (New) The method of claim 21, wherein the data includes one of mouse data and keyboard data.

24. (New) The method of claim 21, wherein the data includes microphone data.

25. (New) The method of claim 21, wherein the encoded signal is wirelessly transmitted to the personal computer.

26. (New) A method, comprising:
- receiving a signal output from a television; and
- decoding the signal for input into a circuit of a personal computer.
27. (New) The method of claim 26, wherein the signal includes information for controlling a function performed by a personal computer.
28. (New) The method of claim 26, wherein the signal includes one of mouse data and keyboard data.
29. (New) The method of claim 26, wherein the signal includes microphone data.
30. (New) The method of claim 26, wherein the signal output from the television is received along a wireless link.
31. (New) A system, comprising:
- a first interface unit coupled to a television; and
- a second interface unit coupled to a personal computer, wherein the first interface unit sends a signal generated in the television to the personal computer over a communications link.

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32. (New) The system of claim 31, wherein the signal controls a function performed by the personal computer.

33. (New) The system of claim 31, wherein the signal includes at least one of mouse data and keyboard data.

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34. (New) The system of claim 31, wherein the signal includes microphone data.

35. (New) The system of claim 31, wherein the communications link is a wireless link.
